

**STS-98 POST LAUNCH FILM REVIEW**  
**KSC Photo/Video Analysis Team**  
**12 February 2001**

**SIGNIFICANT ANOMALIES**

None.

**MINOR ANOMALIES**

E-207 was re-analyzed today with the following finding:

Prior to SRB separation, several pieces of debris were observed to pass (right-to-left) behind the left OMS nozzle. They were further observed to separate into multiple pieces outboard of the aft edge of the OMS. The precise source of the debris is currently unknown. There is no appearance of rigidity in these debris pieces.

Throat plug material expelled from the RHSRB exhaust hole and contacted orbiter lower surface tile just aft (approx. 8 feet) of LOX ET/ORB umbilical (E-5).

**FUNNIES**

None.

**OBSERVATIONS**

Free-burning GH2 was observed rising towards orbiter base during SSME startup.

Several ice particles fell from ET/ORB umbilical during SSME ignition, none of the particles contacted the vehicle.

Slag particles fell out of the SRB plume during tailoff.

SRB HPU exhaust was visible at T-0 and during liftoff (E-15, E-16).

Vapors on ET aft dome and SRB stiffener rings were observed after T-0.

Ice particles fell from LH2 / LO2 TSM T-0 disconnects.

No ordnance fragments fell from the DCS/stud hole in HDP #7 (E-11).

RCS paper covers from forward RCS observed moving downstream over the right wing(E-57).

## **NOTES**

All planned launch films have been reviewed at this time.

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